User Manual

Kitten, Colt, Carousel & Panther

These are the user instructions for Quest 88 Limited Trikes. Please read them carefully before the trike is used and store them in a safe place. Always refer to these instructions before adjusting the set up of the trike, or if you feel the trike is not performing properly.

These instructions also include a guide to maintenance and general trike care. If followed the trike will provide trouble free service. However, in the event of any severe deterioration in performance take the trike out of service immediately and contact Quest 88 Limited.

Quest 88 Trikes

Quest 88 trikes have been designed to provide the correct postural support which allows disabled children and young adults to benefit from the activity of cycling. The trikes are built for indoor and outdoor use and are to be used as indoor and outdoor active therapy equipment as part of a therapy programme.

ALL ABILITY CYCLING
FROM QUEST 88

A level of supervision appropriate to the user's abilities should be applied at all times.

Dimensions

The trikes come in three sizes, as detailed below.

	kitten	CAROUSEL COLT	Panther
a	100	120	145
b	66	72	83
c	70-78	85-100	100-115
max user weight	25kg	45kg	65kg
trike weight*	25kg	28kg	35kg
user leg length**	33-48	38-58	56-75

all sizes given in centimetres (cm)
*trike weight will vary with accessories.
**inside leg measurement when leg is slightly flexed. NB: When refering to the trike, left and right hand always denotes left and right when sitting on the trike.

Before the Trike is Used

Each trike requires setting up when it has been delivered.
A combination tool is supplied with the trike in order for this to be done. Look after this tool and keep all the parts with it. The spanners slide out of the tool and the allan keys and screwdriver fold out. The 8mm allan key adapter is stored between the allan keys when the tool is not in use. To use the 8mm allan key, fit it onto the 6mm allan key which is part of the tool.

The ends of the spanners can be used as tyre levers. However, they are not suitable for Quest 88 trike wheels. Use plastic tyre levers when fixing punctures on Quest 88 trikes.

A pump is also supplied with the trike. Keep the tyres inflated as per these instructions. Keeping the tyres firm will keep the trike stable and help prevent punctures.

Setting Up to Get Going

It is essential that time and consideration is taken whilst setting the trike up to ensure safe and easy use.

The best benefits of using the trike will come through careful and accurate setting up, which will ensure a positive and active posture.

Panther Mudguards (where ordered); Fitting after Delivery

The Panther trike is delivered without mudguards fitted to avoid damage in transit. The mudguards are left and right handed and are labelled accordingly. When referring to left and right, it is always as you are sitting on the trike. If the labels are missing, the longer length of round tube on the mudguard is fitted pointing forwards.

To fit the mudguards, pass the socket head bolts through the brackets welded to the trike frame. Offer the holes of the mudguard stay to the frame brackets and fit the bolts through. Using the 3mm hexagon key and multi spanner, fasten the mudguards in place as shown RIGHT.

Saddle Height

The saddle height is the essential element in maintaining balance, whilst providing the legs with the correct positioning for easy pedalling.

The trike may arrive with the saddle and stem removed. Carefully align the stem with the steel tube on the frame and slide into position. The ideal seat height is when one of the user's thighs is horizontal when the corresponding pedal is at the top of its cycle. Use the user's seat to floor height as a measurement to set the top of the saddle to the top of a pedal at the top of its cycle. Fasten the saddle in position with the clamp at the top of the steel stem. To tighten the clamp, hold the lever pointing down in the 'open' position and turn the knob on the opposite side until it is as tight as possible. Lock the lever by pulling it up through 180 degrees until it feels very stiff.

Check that the saddle is secure by leaning on the saddle and trying to rotate it at the same time. Ensure that there is no movement by repeating the tightening process if necessary. There is a maximum height setting indicated by a gap in the knurling (textured surface) on the saddle stem. Do not fasten the saddle in position with this indicator above the top of the trike frame saddle tube.

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Saddle Position (Sliding Seat Option)

The Sliding Seat is an additional accessory that allows adjustment of the saddle (forwards/backwards) in relation to the pedal position.

This is useful for children who have longer thighs in relation to their total leg length. By sliding the saddle further back it prevents such children from having their knees too far ahead of their feet, which would otherwise impede pedalling.

Steering Set Up

4 Point Handlebar Stem

Steering needs to be correctly positioned to maximise steering ability and control. A combination of stem height and handlebar angle is used to achieve the steering position. The optimum position is one which combines comfort and control, ideally with the elbows flexed, hands at mid chest to shoulder level and trunk as vertical as possible.

To set the stem height, stand at the front of the trike looking at the saddle with a foot on either side of the front wheel. Handlebar stems come with either a 6mm hexagon socket bolt or a 13mm standard bolt. Using either the 6mm socket key or 13mm spanner, loosen the stem bolt and gently lift the stem to the desired height.

Ensure the stem is running in the same direction as the wheel and tighten the bolt. To adjust the handle bar angle loosen the four hexagonal socket bolts and angle the bars to the desired position. Tighten the four hexagonal socket bolts to lock the bars in position. Ensure all bolts are tightly fastened before use.

Multi Positional Handlebar Stem

This is a handlebar stem which gives greater adjustment, providing a more accurate trike set up.

The stem is angle adjustable and has a greater height range than a standard handlebar stem. It can be retro fitted and used with Quest 88 single and twin grip handlebars. The twin grip handlebars require reducer sleeves to be fitted between them and the stem in order for them to be locked in position firmly.

Before retro fitting a Flexistem, remove the original handlebar stem. Undo the brake lever completely. Loosen the bolts which control the angle of the handlebar and take the handlebar out of the stem.

NB: With single grip handlebars on Colt and Panther trikes, one handgrip will need to be removed in order to slide the handlebar out of the stem.

To remove the old stem from the trike frame, undo the bolt which controls handlebar height (see earlier instructions) and slide the stem out of the trike frame.

Fit the Flexistem into the frame and temporarily fix its height by tightening the height adjustment bolt.

Remove the locking boss from the end of the Flexistem, position the handlebar in the groove (fitting reducer sleeves where necessary) and replace the locking boss. Adjust the handlebars to the desired angle and fully tighten the bolts which hold the locking boss in place. The bolts which hold the locking boss in place must be loosened in order to adjust handlebar angle.

Re-fit the brake lever to the handlebars and check the brake's power. Adjust the brake as necessary as per the procedure described later in these instructions.

Once the handlebars have been fitted, they should be set up to provide an effective position for the user as described earlier in these instructions.

Benefits of the Multi Positional Stem

Adjustments can be made to;

1) Handlebar height, by undoing the vertical bolt going through the handlebar stem.

2) Handlebar angle, by undoing the bolts holding the locking boss in place.

3) Stem angle, by undoing the bolt on the underside of the stem (see diagram and description on next page).

4) Reversing stem in order to bring handlebars even closer to rider.

Stem Angle Adjustment

Adjusting the angle of the stem determines how close the handlebars are to the user. By considering the angle of the handlebars, the angle of the stem and the height of the stem, the optimum handle bar position can be achieved.

To adjust the angle of the stem, locate the single socket-head bolt on the underside of the stem. Undo this bolt so that the plate it holds in place moves freely. Adjust the stem to the desired angle and tighten the bolt. The end of the plate will fit into one of the grooves on the underside of the stem. Ensure the plate locks firmly into one of the grooves and fully tighten the bolt. Adjust the height of the stem and the angle of the handlebars to further fine-tune the handlebar position.

Ensure all bolts are firmly tightened before the trike is used.

Steering Limiter (2009-onwards)

Critical Safety Feature

This device stops the front wheel from 'jack-knifing' and is a critical safety feature and must be engaged when the user is on the trike.

Once the handlebars have been set up ensure the limiter is in position by turning the black knob to the location show in fig.1. Lock the limiter into place by tightening the white plastic nut against the trike frame. Check the handle bar movement is now restricted.

*Earlier models featured a hex-bolt and nut.

Check of Correct Positioning

Positioning can be checked quickly after setting up by pushing the trike forwards with the user on it. The trike's fixed wheel means that forward motion will be transferred to the pedals, which in turn will move the user's legs up and down. If the trike is set up well, all movement should resemble standard cycling patterns. Any movement such as extreme rocking from side to side, lifting from the saddle, or knees locking in either full extension or full flexion, will require further attention. Please contact Quest 88 Limited for further guidance if required.

Note: If testing set up without the additional supports prescribed during demonstration, support the child manually to avoid accidents. Ensure that tyres are correctly inflated as specified in the maintenance section of these instructions.

Look out for Growth!

Riders are always growing and the trike set up should be re-visited to reflect this. Follow the procedures described earlier to adjust the settings for the best comfort and performance.

Intended Performance

Once the trike has been set up for use, check that the operation is correct. All moving parts have been designed to run as freely as possible.Therefore;

- Handlebars will turn freely between the stops of the steering limiter (35 degrees in each direction from the centre when in use).
- If the back of the trike is lifted and the pedals turned, the left rear wheel will revolve smoothly.
- When the trike is pushed along the floor in both directions, the pedals will turn freely in the corresponding direction.
- When the brake lever is pulled the front wheel will lock and the bike will be difficult to push, the front wheel not turning at all.

If any of the features on your trike do not perform as described then they may require attention. Take the trike out of service immediately and contact Quest 88 Limited. Check the care and maintenance section of these instructions. Anything which is not covered in this list must be referred back to Quest 88 Limited.

Accessories

Quest trikes have a series of complimentary accessories which can help provide additional support and stability. It is important to position these correctly for the individual user, as they are the 'fine tuning' necessary to maintain correct user posture.

Set up the position of any accessories after following the earlier main set up instructions.
The full set of accessories are not necessary for every user. Advice on the accessories required will have been given during demonstration. However, if it is felt the user would benefit from any accessories listed here, please contact Quest 88 Limited.

Hip and Thoracic Supports

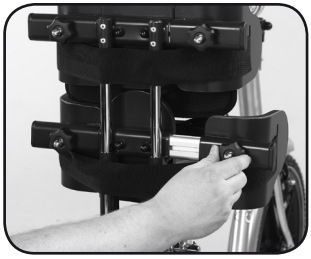
These provide support to maintain a 'midline' position on the saddle. Both supports have straps to help maintain the user's position and safety on the trike.

The hip and thoracic supports are held on a special assembly which is fitted to the underside of the saddle.

There are three standard sizes of support, which are measured across the width of the inside of the support.

They are: 210-290mm, 255-355mm, 310-390mm. Combinations can be used between hip and thoracic.

Width Adjustable Lateral Supports



All hip and thoracic supports come with width adjustable lateral (side) supports which can be removed for ease of transfer.

To adjust the width of the laterals or remove them for transfer, undo the knobs on the laterals. There is no need to undo the knobs fully, one full turn is suffficient. The laterals are now free to slide along the support bar or be removed.

When re-fitting the laterals, ensure the small plate inside the lateral tube fits into the channel in the lateral support bar.

Adjust the laterals to the correct width of the user, taking care to ensure that the laterals are adjusted equally on each side to achieve a 'midline' position for the user. Once the laterals are in the correct position for the user, tighten the knobs and ensure they are fully tightened before use.

Adjusting Thoracic height on Width Adjustable Lateral Supports

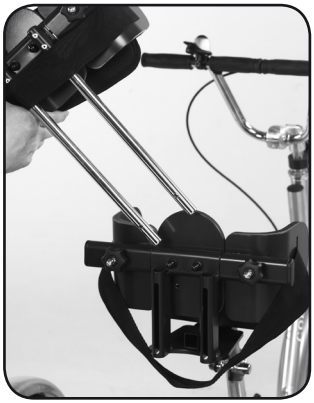
The height of the thoracic support should be set up as described earlier, with a three finger gap between the user's armpit and the top edge of the thoracic support.

To adjust the height of the thoracic support with width adjustable laterals, use the dumbell spanner in the tool kit to undo the two bolts on the ends of the painted section of the thoracic control assembly. With these bolts undone, slide the thoracic support up or down to the desired height. Once in place, tighten up the bolts and ensure they are firmly tightened before use.

Fastening Support Straps

The straps must fit the user snuggly. Loosely fitting the straps should be avoided as the user may come out of position on the saddle and become trapped by the straps. Fit the free end of the strap through the buckle on the other end and pull until the user is held firmly but their breathing is not restricted. Fasten the buckle by pushing the lever into the body of the buckle. To undo, tug the free end of the strap forwards so that it pulls the buckle open.

Fitting/Removing the Thoracic Support

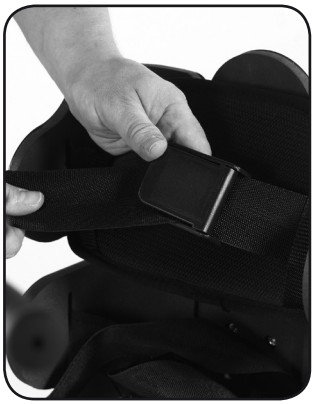


The thoracic support is an independent unit which can be added to, or removed from, the hip support.

When fitting, remove the black dust caps which may be fitted into the slotted vertical tubes of the saddle unit. Slide the chrome tubes of the thoracic support into the slotted vertical tubes. Put the curved washers onto the handwheel stems. Fit the handwheels through the slots and into the threaded holes in the chromed tubes.

To remove the thoracic support, undo the handwheels completely and lift it out of the slotted tubes. Re-fit the handwheels, along with the shoulder washers, into the chrome tubes for safe keeping.

Soft Chest Plate



A soft chest plate can be used if the user has very low tone and has a tendency to lean forward or slouch.

The soft chest plate fits onto the webbing belt of a thoracic supports, making the belt wider and thus providing greater support for the user.

To fit the soft chest plate, the webbing belt from the thoracic supports needs to be removed. Pay close attention to how the belt is threaded through the slots in the lateral supports so that it can be easily re-fitted.

Fit the loose end of the webbing belt beneath one of the loops on the soft chest plate.

Re-fit the webbing belt through the thoracic support laterals.

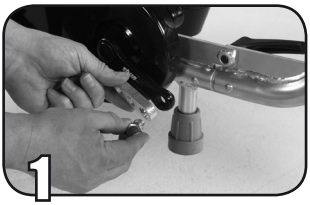
Once the user is on the trike, the loose end of the webbing belt can be fitted through the other loop of the chest plate and through the buckle.

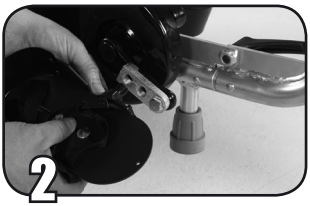
Footplates and Foot Position

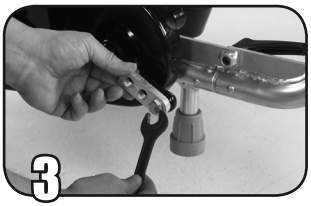
The position of the foot on the pedal is an important factor in transferring leg muscle action into pedal power. This requires the arch of the foot to be over the centre of the pedal where the most force can be applied. Using the 10mm spanner provided, loosen the nuts on the underside of the footplate to slide the plate backwards and forwards to achieve the best position. Ensure the nuts are tight before using the trike.

For safety, footplates must always be used in conjunction with a hip support.

Fitting Crank Shorteners







Crank shorteners move the pedals closer to the centre of pedal rotation. This helps position users with short legs and prevents legs going into either full extension (straight) or full flexion (bent at knee). The cycling action is thus made smoother and easier for the user to control. Crank shorteners are made in left and right hand pairs. Fit them one side at a time.

1 Remove the left hand pedal from the pedal crank. Ensure you are fitting the left hand crank shortener by turning the bolt marked with an 'L' anticlockwise into one of the threaded holes in the crank shortener. If it does not turn in easily, try the other crank shortener.

2 Once you have selected the left hand crank shortener, hold it on the crank with the small guides on the shortener fitting over the crank and the hole with no thread in line with the hole on the end of the crank.

3 Insert the bolt marked 'L' through the end of the crank shortener and turn it anti-clockwise into the hole at the end of the crank. Ensure the bolt is firmly tightened.

4 Once in place fit the pedal into one of the settings in the crank shortener, paying attention to the action of the user's leg (see section 'Saddle Height').

Repeat the process for the right hand crank shortener, bearing in mind that the pedals will undo anti-clockwise and tighten up clockwise.

For safety, AFO's and footplates must always be used in conjunction with a hip support.

Ankle - Foot Orthoses (A.F.O.'s)

Ankle-Foot Orthoses, AFO's, help maintain a 90 degree angle between the foot and lower leg. Plantiflected ankles (toes pointing downwards) often make pedalling difficult as when the pedal comes to the top of its rotation, the ankle position greatly affects the knee and upper leg position. AFO's can also be used to help abduct the knees, keeping the leg in a straight line with the action of the pedals.

The AFO consists of a stem which fits into the tube on the side of an AFO footplate. Attached to the stem is the cuff and strap. The AFO can be fitted to the inside or the outside of the leg. If abduction control is the main priority, then the AFO should be fitted to the inside of the leg. The fitting of the footplates to the pedals will govern which side of the leg the AFO will fit on. See the earlier instruction for fitting footplates. Attach the footplates to the pedals with the rectangular tube on the required side.

With the user on the trike, position their foot on the footplate (described earlier) and fasten in position. Fit the footplate straps through the buckles, pull tightly and fasten by pushing down the lever on the buckle.

With the cuff of the AFO at the front of the user's leg, slide the stem of the AFO into the rectangular tube on the footplate. The ankle can be held at 90 degrees by pushing the cuff up to meet the front of the leg. The height of the AFO should be adjusted so that the top of the cuff sits slightly below the knee cap. Fix the height by tightening the small wing knob on the footplate tube. Fasten the AFO in place by fixing the strap around the calf and through the buckle on the front of the cuff. If the strap cuts into the back of the knee, the height of the AFO should be slightly reduced.

Always remove AFO's from the footplates when the trike is not in use as the fixed-wheel action will knock them along the ground as the trike is pulled along. This will damage the AFO and may cause further damage to the footplates and trike.

Push/Pull Rods (Parental/Carer Control)

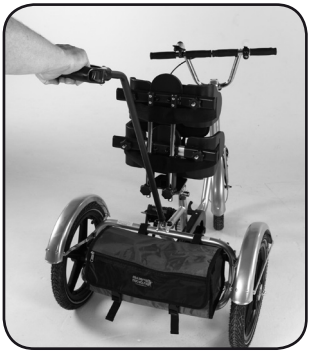
Push/Pull Rods are used to "check" the action of the user on trike. They can be used to encourage pedalling through the fixed wheel action on the trikes so as the bike is pushed or pulled the pedals will turn. Pull rods will enable you to steer the trike.

The rod can be used to pull the trikes when it is attached to a bracket which fits onto the handlebar stem.

To fit the bracket, undo the bolt at the top of the handlebar stem and pull the handlebars out of the head tube. Fit the bracket onto the stem and replace the handlebars in the head tube.

Set the handle bars to the desired height (see main trike user instructions) and fasten the bracket in position by tightening the grub screws on each side of the bracket with a 3mm hexagonal key.

The Push/Pull Rod tube can be fitted position by sliding it over the chromed tube on the bracket. Push in the popper on the chrome tube and fit the Rod onto the tube. Ensure the popper fits through the hole in the rod before use.

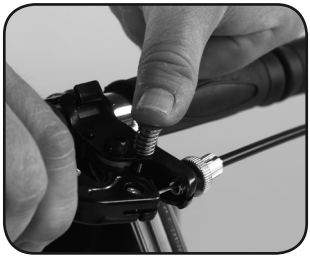


To push the trike, the Rod can be fitted onto a chrome tube attached to the back of the trike between to plates. Fit the Rod as described above.

Push and Pull Rods must not be used as levers to tilt and turn the tricycle either with or without the rider present. Neither is it to be used to lift the front wheel over a threshold, such as a shed door. The Pull Rod is intended to assist the child with steering and pedalling and is not intended to pull the child up steep inclines.

The push rod is not a "rear steer device", it is intended as a means of assisting pedalling whilst allowing the rider to steer.

Day to Day Use



Getting on and off a Trike

It is important to develop a safe routine for getting on and off a trike. Always ensure there is no clutter or obstacles which will obstruct transfer to and from the trike. Use an appropriate transfer technique to position the user on the saddle.

Where the user requires significant assistance to get on or off a trike, the parking brake must be activated to keep the trike stationary. The parking brake is activated by pulling the brake lever as normal and pushing down the small silver button on the brake lever. This locks the lever in position. To release the parking brake pull the lever in again and the silver button will pop up automatically.

If the trike has accessories which have straps it is important to fasten the straps in sequence, starting with the pelvis strap, followed by the thoracic or chest strap, the footplate straps and finally the Ankle Foot Orthoses straps. By following this sequence the user will be held at the hips so that attention can be paid to the other accessories with the user firmly positioned.

When getting off the trike this sequence should be reversed, with the AFO's released first, followed by the footplate straps and thoracic strap. The pelvis strap should only be released once everything is in place and the user is ready to be transferred from the trike.

Straps on the footplates and AFO's must only be used once a pelvis strap is firmly fitted. AFO cuffs always fit around the front of the knee, with the straps fitting around the back of the calf.

Gripping aids

Gripping aids such as Quest 88's own Gripmits, or Active Hands should only be used when necessary and where parental/carer encouragement and training have not been effective.

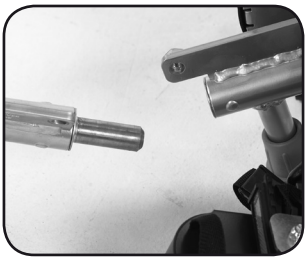
Instructions for Gripmits are supplied separately to these instructions.

Two Piece Frame

Quest 88 tricycles can be split into two parts to make lifting and handling, transport and storage simpler. The mechanism for this splits the trike into the front steering assembly with down tubes and the rear assembly of seat, pedals and drive mechanism. If the mechanism which joins the two parts of the trike does not appear to work correctly, take the trike out of service immediately and contact Quest 88 Limited.

Note on Clamping Handles
These handles are fastened by rotating them clockwise and released by turning them anticlockwise. The handles have a mechanism inside which allows the lever to move freely without affecting the clamping action. When the handle cannot be turned completely, pull the lever out and turn it back from your intended direction. Letting the lever go will engage the clamping action again to continue fastening or releasing the handle.

Turn the clamping handle on the plates between the two down tubes and continue to turn it until it comes free of the trike. The two parts of the trike are now free to be split apart.



To Split the Two Parts

To split the trike, hold the front of the frame and apply a downward pressure on the drive section on the top tube in front of the chain guard. The drive section should drop away and rest on the prop on the underside of the frame.

Once the trike has been split, wind the clamping handle into the threaded hole in the plate for safe keeping.

Lift the rear end of the trike so that the pin lines up with the tube in the front end of the trike. Fit the pin into the tube and ensure that it is fully fitted by checking that the holes in the plates between the down tubes line up. Once the holes are in line, re fit the clamping handle and ensure it is fully tightened before using the trike.

Fitting guide - for printed wheel covers

Feed wheel cover (at slot) behind the mudguard stay and over hub. Align holes in covers either side of the wheel. (3 holes Kitten wheel covers, 5 holes Colt/Carousel, 5 holes Panther).

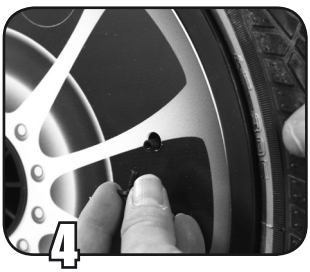
Insert longer (female) plastic fastening through holes in each disc and secure using smaller (male) fastening

Notes on fitting wheel discs
Finger tighten, do not over tighten, if using a screwdriver as this may split the fastenings.

Repeat for each set of holes.

Carefully tuck the exposed edge at the split disc, behind the secured edge. Black (unprinted) discs are to be used on the inside of the rear wheels.

You will need to remove the discs as appropriate for access to the valve for inflating tyres (Kitten Trike). The rear Colt and Carousel wheel covers have cutouts for access on rear wheels. When retrofitting wheel covers to the Colt, Carousel and Panther tricycles, you will need to remove any reflectors from the wheels.



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Trike Care and Maintenance

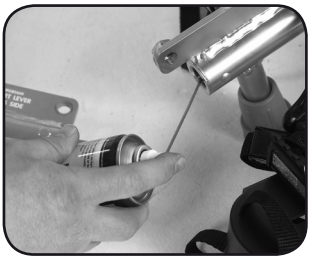
Cleaning: Regularly clean the trike with soapy water and a damp cloth and dry thoroughly. Remove such debris as grass, hair and fibres from axles and moving parts. Do not use solvent cleaners on any part of the trike. Do not use T-cut or any similar abrasive cleaner on paintwork.

Lubrication: The trikes have been designed to minimize the need to lubricate moving parts. However, a regular application of a reputable light oil, such as '3 in 1' to the brake callipers (not brake pads), the front wheel axle and pedal axles (between the pedal crank and footplate) will help maintain trike performance.

Wheels: Although very durable, trike wheels may be damaged by dropping or shocking e.g. jamming in a car boot door. Upon receipt of a trike and after any undue drops or knocks, check wheels for signs of any hairline cracks or splinters. A trike with any suspected damage to the wheels should be taken out of service immediately.

Tyres: Tyre pressure should be maintained at 25 to 30 psi to maintain stability and even wear. If tyres are too soft the friction caused will make pedalling increasingly difficult. As with any inflatable tyre, expect to mend a puncture at some point. The front wheel can be removed using the 16mm spanner in the toolkit. However the rear wheels cannot be removed and no attempt should be made to do so.

Before taking the tyre off a rear wheel any wheeldiscs and the mudguard must be removed. Using the 3mm hexagonal socket key and the multispanner undo the bolts which hold the mudguard onto the trike fame. Take care not to lose any of the nuts and washers.



For all wheels, to remove the tyre, completely deflate the tyre by removing the dust cap and pressing the small pin on the inside of the valve. When all the air is out the tyre can be levered off. Use plastic tyre levers to do this. Using a screwdriver, tyre irons or spoons will damage the plastic rim of the wheel. Put one tyre lever under the bead of the tyre, opposite the valve. Lever the bead of the tyre over the rim of the wheel.

Insert the second lever 10cm to the side of the first and do the same. The levers can then be slid around to leave the tyre 'half off' the wheel. The inner tube can then be carefully pulled out and any punctures repaired as per the directions in the puncture repair kit. Check the inside of the tyre for what caused the puncture.

Tyres (continued)
To insert a repaired or new inner tube, slightly inflate the inner tube and insert the valve through the hole in the rim. Tuck the inner tube into the tyre, being careful not to twist or pinch it, and push the tyre bead back over the wheel rim. Inflate the tyre to the correct pressure and replace the dust cap on the valve.

To replace the mudguard, pass the socket head bolts through the holes on the mudguard bars. Fit the white spacer over the bolts and position the mudguards on the brackets on the back of the trike frame. Using the 3mm hexagon key and multi spanner, fasten the mudguards in place as shown on the diagram.

Maintenance of Brakes

Keep brake pads and callipers clean and free of dirt and avoid any overspray of lubricant getting onto brake pads or wheel rims.

Adjusting the Brakes

There are two ways in which brakes can be tightened.

1 If the brakes are not quite firm.
If the brakes are touching the rim of the wheel when the brake lever on the handlebar is pulled but there is insufficient pressure to stop the bike, then a slight adjustment to the brake cable tension will provide extra braking power.

To do this, turn the barrel into which the brake cable fits on to the brake callipers anti-clockwise so that it rises up in its mounting. Using fingers or the 10mm spanner turn the small nut below the barrel clockwise so that it sits against the mounting. Test the brakes again. If there is still insufficient braking power then try method 2.

2 If the brakes still do not provide enough power or are not acting against the rim. Using the 10mm spanner undo the bolt on the lower calliper which the bare brake cable passes through. Push the brake levers into the wheel rim, pull the cable through the bolt so that it is as tight as possible and tighten the nut with the 10mm spanner. Go back to method 1 to fine tune the braking power.

General: Always ensure that knobs, levers and bolts are firmly secured before use. Ensure that pedals and crank shorteners are thoroughly tightened in position and are not loose. Loose components left unchecked can lead to damage of the trike and may compromise user safety.

Trike Identification: Each trike is marked with a code number, which should be used during all enquiries with Quest 88 Limited. The number is located on the foil label on the inside (metal) face of the chain guard.

Intended Use: The trikes are built for indoor and outdoor use as active therapy equipment.

A level of supervision appropriate to the user's abilities should be applied at all times,

Optimum performance will come through using the trike on a level surface such as asphalt, concrete or wooden floors, which is free of obstructions. Soft or uneven ground, such as sand or mud, and inclined surfaces will adversely affect ease of movement and stability and should be avoided. Riding along kerbs and inclines will affect stability and should be avoided at all times. Use parental poles to control user stability and speed whenever possible. Refer to User Instruction sections on tyre pressure, steering limiter and push pull rods to ensure full stability for the user. The trikes are not intended for road use and should not be used in areas frequently used by cars, vans and other road vehicles.

Quest 88 Limited advocates the wearing of safety helmets and reflective clothing whilst using the trikes. If the trike is used in wet conditions it is recommended that it is cleaned and dried before storage to maintain good condition. Your trike will continue to perform for many years if you take care of it!

For safety, extra care should be taken when using the trike on damp or wet surfaces.
The trikes are intended for single person use and must not be used to carry two or more persons.

Avoid riding off kerbs or into obstacles and any abrupt shocks to the wheels and frame.
Sit only on the saddle of the trike. Stand only on the pedals of the trike.

Do not attach any objects to the spokes or forks of the trike which may catch or damage the wheels. Caution must be taken through use, transport and storage not to drop or knock the trike. Do not store other equipment on top of the trike and/ or its accessories as this may affect components and trike set up. Always store the trike under cover and away from excessive moisture as this may lead to corrosion of components and assemblies over time.

The trikes have been manufactured by Quest 88 Limited engineers. Any adjustments or alterations which are not listed in these instructions should not be made without the authorisation of a Quest 88 Limited representative. Any such adjustments will affect the trikes warranty. Quest 88 Limited do not take any responsibility for any trike which has been adapted or affected by actions not described in these instructions by any individual not authorised by Quest 88 Limited.

Declaration of Conformity: Quest 88 Limited as manufacturer declares that the Quest 88 range of tricycles and associated accessories conforms to the requirements of the 93/42/EEC Guidelines as a Class 1 medical device.

Quest 88 Tricycles - Limited Warranty

Dear Customer,

Thank you for purchasing a Quest 88 tricycle. We sincerely hope that this tricycle will meet all of your expectations. As part of our Product Vigilance System and our commitment of service to you, this form serves as warranty confirmation for your trike. Please keep these details in a safe place as this will help us maintain traceability for your trike. If you wish to contact us in the future please quote the FRAME CODE (below, also found on the inspection label on back of chain guard).

Manufacture Completed on: _____

Model Name: KITTEN / COLT / CAROUSEL / PANTHER

Frame Number: QU _____

QUEST 88 TRICYCLE FRAMES AND FORKS ARE WARRANTED BY THE COMPANY: FOR THE FIRST 5 YEARS FROM DATE OF PURCHASE AGAINST ANY DEFECTS IN MATERIALS AND WORKMANSHIP. OTHER PARTS OF THE TRICYCLE ARE WARRANTED FOR TWO YEARS FROM DATE OF PURCHASE AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP. THIS WARRANTY IS FREELY TRANSFERABLE. TRANSPORTATION CHARGES ARE ALSO COVERED.

QUEST 88 WILL REPLACE WITHOUT CHARGE ANY FRAME AND/OR FORK FOUND TO BE DEFECTIVE BY THE FACTORY WITHIN THE TERMS OF THE WARRANTY. (REPLACEMENTS WILL BE THE SAME OR SIMILAR IN CONSTRUCTION AND COSMETICS , BUT WILL BE LIMITED TO CURRENT STOCK) HOWEVER, QUEST 88 WILL ASSUME LABOUR CHARGES INVOLVED ONLY IN FRAME AND FORK REPLACEMENT AND LIMITED TO 90 DAYS FROM THE DATE OF PURCHASE AT RETAIL.

QUEST 88 TRICYCLES ARE NOT MANUFACTURED OR SOLD FOR USE INVOLVING RAMP JUMPING, PASSENGERS, NOR ARE THEY INTENDED TO BE USED WITH MOTORS, ENGINES OR OTHER POWER EQUIPMENT. PRODUCT PERFORMANCE AND USE IS DETAILED IN THE USER INSTRUCTIONS. THE COMPANY, IT'S AUTHORIZED AFFILIATES OR AGENTS SHALL NOT BE LIABLE UNDER THIS WARRANTY OR ANY LAWS FOR ANY DAMAGE OR FAILURE INCLUDING PERSONAL INJURY, RESULTING FROM IMPROPER USE.

PERSONAL INJURY, BICYCLE FAILURE, LOSS OR DAMAGE, ABUSE, NEGLECT, NORMAL WEAR (SUCH AS TYRES AND TUBES, BRAKE AND GEAR CABLES, SEAT, PEDALS AND HANDLEBAR GRIPS/TAPES), IMPROPER FIT OR MAINTENANCE BY ANYONE OTHER THAN THE COMPANY OR AUTHORIZED AGENTS, OR USE OF PARTS INCONSISTENT WITH THE USE ORIGINALLY INTENDED FOR THE TRICYCLE AS SOLD ARE NOT COVERED BY THIS. AUTHORIZED AGENT PURSUANT TO THIS WARRANTY HEREIN MADE SHALL BE THE REPLACEMENT OF THE DEFECTIVE PART(S), AND IN NO EVENT SHALL QUEST 88 LIMITED BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

SPECIAL NOTES TO USERS, PARENTS, GUARDIANS AND/OR SUPERVISORS

WE DO RECOMMEND THAT YOU CONTACT US IMMEDIATELY IF YOU EXPERIENCE ANY DIFFICULTY WHATSOEVER. TOTAL SUPERVISION WILL BE REQUIRED IF THE USER HAS LIMITED SKILLS ESPECIALLY COMMUNICATION - PLEASE NOTE, ALL SAFETY LABELS MUST BE REPLACED IF THEY BECOME WORN - CONTACT QUEST 88 LIMITED IF IN DOUBT. REGULAR INSPECTION AND MAINTENANCE IS ESSENTIAL TO ENSURE THAT THE PRODUCT PERFORMS TO CLIENTS EXPECTATIONS AT ALL TIMES.

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